

Curriculum Vitae

Date of Preparation: 2/29/2012


Signature

Christian William Kreipke
Assistant Professor, Research Educator

Address

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EDUCATION

B.A. (1999)	Summa Cum Laude, Anthropology, Wayne State University Minor: Organ Performance, Piano Pedagogy
Post Bach. (1999)	Post Bachelor's Certificate (60cr. Hours), Medical and Cultural Studies, Santiago School of Medicine, Santiago de Cuba, Cuba
M.A. (2000)	Biological Anthropology, Minor: Linguistics, Santiago School of Medicine, Santiago de Cuba, Cuba and Wayne State University
Ph.D. (2004)	Cellular and Clinical Neurobiology, Minors: Anthropology and Interdisciplinary Biomedical Sciences, Wayne State University, School of Medicine; Conferred on 12/04

POSTGRADUATE TRAINING

2004-2007	Postdoctoral Fellow, Wayne State University, <i>mentor, Jose Rafols, PhD</i>
2007-2008	Research Scientist, Anatomy and Cell Biology, Wayne State University

FACULTY APPOINTMENTS

2008-present	Visiting Professor, Neuroscience, Universidad Autonoma de Guadalajara, School of Medicine, Guadalajara, MX
2008-2009	Assistant Professor (Research), Anatomy and Cell Biology, Wayne State University, School of Medicine, Detroit, MI, USA
2009-present	Assistant Professor (Tenure-Track), Anatomy and Cell Biology, Wayne State University, School of Medicine, Detroit, MI, USA

MAJOR PROFESSIONAL SOCIETIES

Golden Key National Honor Society, 1998-
 Phi Beta Kappa, 1999-
 American Anthropological Association, 2000-
 Society for Applied Anthropology, 2000-
 Society for Medical anthropology, 2000-
 Council for Education and Anthropology, 2000-
 Sigma Xi, Elected Member (Full Membership), 2001-
 American Society of Chemists, Invited Member, 2001-
 Society for Neuroscience, Michigan Chapter, 2001-
 New York Academy of Sciences, Invited Member, 2001-
 Academy for the Advancement of Sciences, 2001-
 Society for Neuroscience, 2002-
 International Society for Cerebral Blood Flow and Metabolism, 2007-
 Royal Society of Chemistry, 2008-

HONORS/AWARDS

Kaplan Study Abroad Scholarship (\$500), 1999
 Phi Beta Kappa, 1999-
 Graduate Teaching Assistantship (~\$19,000/year), 2000-2001
 Graduate Professional Scholarship (~\$13,000/year), 1999-2001
 Humanities Center Travel Scholarship (\$1000 total), 1999-2001
 Heberlein Excellence in Teaching Award (nominee), 2001
 Interdisciplinary Biomedical Sciences Scholarship (~\$22,000/year), 2000-
 NIDA Predoctoral Fellowship (T32) (~\$30,000/year), 2001-2002
 Neuroscience Travel Award (Wayne State University School of Medicine) (\$250), 2002
 Dean Thomas Asselin, M.D. Endowed Prize for Excellence in Psychiatry and Behavioral Neuroscience Research (Wayne State University School of Medicine) (\$2,500), 2002
 1st Place, Society for Neuroscience, MI Chapter, Poster Award (\$200), 2003
 Graduate Student Professional Travel Award (\$250), 2003
 Outstanding Graduate Student of the Year for Contributions in Academics and Research, 2003
 International Society for Cerebral Blood Flow and Metabolism Travel Award, Osaka, Japan (\$1,000), 2007
 International Society on Endothelin (ET-10) Young Investigator Award, (1000 Euro), 2007
 Winter Brain Travel Award (\$1,000), 2010

SERVICE

Wayne State University

Departmental/Divisional

Anatomy and Cell Biology Seminar Organizer (2008-2011).

Responsibilities include securing seminar speakers and hosting out of town speakers

School of Medicine

Future Docs, Presenter and Workshop Coordinator (2004-present)

Responsibilities include teaching general information about the brain and trauma to alumni's children.

Graduate Research Day, Judge (2004-present), WSU

Responsibilities include judging both posters and presentations that serve as the culmination of student research projects

Medical Research Day, Mentor, Judge (2009-present), WSU

Responsibilities include serving as a mentor to Year 1 medical students in summer projects involving research and judging said research at Medical Research Day seminar

University

Sigma Xi, Wayne State Chapter, Executive Board Member (2004-2007) WSU.

Responsibilities include bolstering awareness of Sigma Xi across campus and organizing lectures, symposia, etc.

Wayne State Alumni Communications Committee, Committee Member (2005-present), WSU.

Responsibilities include contributing to public awareness of The Wayne State Alumni Association through its communications tools

Undergraduate Research Mentor (2005-present)

Responsibilities include mentoring exceptional undergraduate students in the Honors Program in summer-long research programs

Wayne State University Academic Senate (2010-present)

Elected to academic senate and selected to serve on the Research subcommittee.

Wayne State University Scholar's Day (2011-present)

Interviewed potential scholarship recipients of the in-coming class to Wayne State University.

Wayne State University Streamlining Policy Committee (2011-present)

Selected by Provost to serve on streamlining committee.

Scholarly Service

International

Visiting Professor in Neuroscience, University Autonomous of Guadalajara, Guadalajara, MX (2007-present)

Invited Speaker at Endothelin-10, Bergamo, Italy (2007)

Invited Speaker at the Tiantan International Stroke Conference, Beijing, China (2009, 2010)

National

Brain Awareness Week Committee, Society for Neuroscience, Chair (2002-2003)

Responsibilities include organizing Brain Awareness Week events and Brain Awareness Day, contacting schools for lectures, organizing lectures, and organizing publicity

Sigma Xi, Associate Director, North Central Region (2006-2007)

Sigma Xi, Acting Director, North Central Region (2007-2009)

American Institute of Biological Science, Grant Reviewer, Intramural Department of Defense, (2007)

American Institute of Biological Science, Grant Reviewer, Extramural Investigator-Initiated Department of Defense, (2007)

American Institute of Biological Science, Grant Reviewer, Extramural New Investigator-Initiated Department of Defense, (2007)

American Institute of Biological Science, Grant Reviewer, Extramural Multi-Consortium Department of Defense, (2007)

American Institute of Biological Science, Permanent Study Section, Intramural Brain Disease and Neurotrauma, (2008-present)

Ad Hoc member of VA study section (2011-present)

Ad Hoc member of DOD MRDP program (2011-present)

Ad Hoc reviewer for journal articles (2008-present) (includes number of individual articles per journal):

American Scientist	6
Brain Research	7
Journal of Neurological Research	14
Journal of the Neurological Sciences	5
Journal of Neuroscience	4
Journal of Neurotrauma	14
Neurological Research	21
Neuroscience Letters	4
Synapse	5

Statewide

Michigan Society for Neuroscience Chapter Meeting coordinator (2003), WSU.

Responsibilities include organizing chapter meeting location, duration, theme, etc

Michigan Society for Neuroscience, Student Counselor (2002-2004)

Southfield Oncology Institution Review Board, Board Member (2005-2007)

Responsibilities include reviewing grants and patient outcome for novel cancer treatments

Southfield Oncology Institution Review Board, Chairman of the Board (2007-present)

TBI Services and Prevention Council, Board Member (2009-present)

TEACHING

01/99-04/99 Anthropology 5170, Forensic Anthropology (Lab) (1999), Wayne State University
 *09/99-12/99 Anthropology 2110, Introduction to Biological Anthropology, Wayne State University
 *09/99-09/00 Anthropology 2100, Introduction to Anthropology, Wayne State University
 01/01-04/01 Film Theory 301, Film Scoring (Selected Lectures), University of Michigan, Dearborn
 06/06-08/06 ~~Neuroanatomy, Prematriculation medical students, Wayne State University~~
 03/07-05/07 Neuroanatomy, Laboratory (Shadow), Wayne State University core Medical School Curriculum
 02/07- Neuroscience, Course Co-Director, Universidad Autonoma de Guadalajara, School of Medicine
 09/08- PSL 7440, Advanced Physiology, select lectures
 *05/10- Year I Curriculum Neuroscience Laboratory, Wayne State University core Medical School Curriculum
 *08/10- Year I Curriculum Histology Select Lectures and Laboratory, Wayne State University core Medical School Curriculum

**Teaching portfolio and student evaluations available on request*

Mentorship

Postdoctoral mentor:

Benjamin Atkinson (Fellow, department of Neurology)

PhD mentor:

Christian Reynolds (MD/PhD, combined degree with Universidad Autonoma de Guadalajara)

PhD committee member:

Jill Jamison (Donald DeGracia, PhD, Mentor)
 Megan Foldenauer (Linda Hazlett, PhD, Mentor)

Master's Thesis committee member:

Megan Dutcher (Donald DeGracia, PhD/Hector Gonzolez, PhD, Co-Advisors)
 "Associations between Retinopathy and Cerebrovascular Disease"
 Manupreet Chawla (Donald DeGracia, PhD/ Jose Rafols, PhD, Co-Advisors)
 "Redistribution of mRNA Correlates with Arrest of Translation and Neuronal Death Following Global Cerebral Ischemia and Reperfusion"
 Adriane Marchese (Donald Kuhn, PhD/David Thomas, PhD, Co-Advisors)
 "MDMA Neurotoxicity Revisited: An assessment of the effects of MDMA on the brain"
 Lauren Marchese (Donald Kuhn, PhD/David Thomas, PhD, Co-Advisor)

"Genetic Approaches to the Study of Serotonin"

GRANTS, CONTRACTS, AND OTHER FUNDING

Active

NIH

R01 NS064976-A2 Kreipke (PI) 11/01/09-10/31/14

NIH-NINDS

(\$1,723,000)

Role: PI (45% effort)

"Molecular Mechanisms of Enhanced Contractility following Traumatic Brain Injury: towards a clinical trial" (Investigates the mechanism by which endothelin receptor antagonists may be useful in the treatment of cognitive deficits following TBI).

VA

VA RR&D RX000224-01 Kreipke (PI) 11/01/10-10/31/14

VA Rehabilitation

(\$953,000)

Role: PI (37.5% effort)

"Poly-trauma following brain injury: towards a combinatorial therapy" (Investigates the effects of multiple pathologies associated with traumatic brain injury on histopathological and behavioral outcome).

VA RR&D RX000375 Kuhn (PI) 11/01/11-10/31/2014

(\$1,250,000)

Role: Co-I (25% effort)

"TBI & Alcohol Abuse: Co-occurring conditions that enhance brain damage" (investigates the role of alcohol on TBI induced cell damage and behavioral outcome)

Pending

DOD

BAAW81XWH Kreipke/Armstead (Multi-PI)

(\$4,678,000)

Role: PI (25% effort)

"Clazosentan: a novel treatment for traumatic brain injury" (investigates the efficacy of clazosentan following TBI with ultimate goal of receiving IND status).

Completed

R01 NS39860 Rafols (PI)

03/10/04-04/30/10

NIH-NINDS

(\$1,300,000)**Role: CO-I (10% effort)**

“Control of microvascular tone in traumatic brain injury” (Investigates the biochemical role of endothelin receptors in the control of the microcirculation in a rat model of traumatic brain injury).

VA RR&D Award Rossi (PI)

04/01/08-12/31/11

VA Rehabilitation

(\$735,000)**Role: CO-I (5% effort)**

“Conditioning, microvascular tone & rehabilitation post brain trauma” (Investigates the role of exercise in the control of microcirculation in a rat model of traumatic brain injury).

PUBLICATIONS*Books authored/edited*

Kreipke CW, Rafols JA. In Press. *Cerebral Blood Flow, Metabolism, and Head Trauma: Bench to Bedside Advances in the Understanding and Treatment of the Pathotrajectory of Traumatic Brain Injury*. Springer. 2012

Book Chapters

Kreipke C, Rosenberg D, Keshavan M. 2004. Does disordered brain development cut across diagnostic boundaries? In Keshavan M, Kennedy J, Murray R (Eds.) *Neurodevelopment and Schizophrenia*. Cambridge University Press. Chapter 21, pp 390-411.

Betrus C, **Kreipke C**. 2012. Historical perspectives in understanding traumatic brain injury and in situating disruption in CBF in the pathotrajectory of head trauma. In Kreipke C, Rafols JA (Eds) *Cerebral Blood Flow, Metabolism, and Head Trauma: Bench to Bedside Advances in the Understanding and Treatment of the Pathotrajectory of Traumatic Brain Injury*. Springer. Chapter 1, pp.

Kane M, Angoa Perez M, Briggs D, Viano D, **Kreipke C**, Kuhn D. 2012. Modeling of traumatic brain injury and its implications in studying the pathology of repeated mild impacts to the head. In Kreipke C, Rafols JA (Eds) *Cerebral Blood Flow, Metabolism, and Head Trauma: Bench to Bedside Advances in the Understanding and Treatment of the Pathotrajectory of Traumatic Brain Injury*. Springer. Chapter 3, pp..

Kropinski A, Dore-Duffy P, **Kreipke C**. 2012. Situating the Endothelin System in the pathotrajjectory of TBI-induced changes in haemodynamics. In Kreipke C, Rafols JA (Eds) *Cerebral Blood Flow, Metabolism, and Head Trauma: Bench to Bedside Advances in the Understanding and Treatment of the Pathotrajjectory of Traumatic Brain Injury*. Springer. Chapter 5, pp.

Kreipke C, Kropinski A, Graves J, Tiesma D, Kaufman M, Schafer S, Armstead W, Dore-Duffy P, Kuhn D. 2012. New Frontiers in Clinical Trials Aimed at Improving Outcome Following Traumatic Brain Injury. In Kreipke C, Rafols JA (Eds) *Cerebral Blood Flow, Metabolism, and Head Trauma: Bench to Bedside Advances in the Understanding and Treatment of the Pathotrajjectory of Traumatic Brain Injury*. Springer. Chapter 7, pp.

Refereed Journal Articles

1. Kuhn DM, Sadidi M, Lu X, **Kreipke C**, Geddes T, Borges C, and Throck J. 2002. Peroxynitrite-Induced Nitration of Tyrosine Hydroxylase: Identification of Tyrosines 423, 428, and 432 as Sites of Modification by MALDI-TOF Mass Spectrometry and Tyrosine-Scanning Mutagenesis. *Journal of Biological Chemistry* 277:14336-14342.
2. **Kreipke CW**, Walker PD. 2004. NMDA receptor blockade attenuates locomotion elicited by intrastriatal dopamine D1-receptor stimulation. *Synapse* 53:25-32.
3. **Kreipke CW**, Campbell BM, Walker PD. 2005. Failure of MK-801 to suppress D1 receptor-mediated induction of locomotor activity and striatal preprotachykinin mRNA expression in the dopamine-depleted rat. *Neuroscience* 137:505-517.
4. **Kreipke CW**, Morgan N, Petrov T, Rafols J. 2006. Calponin and caldesmon cellular domains in reacting microvessels following traumatic brain injury. *Microvascular Research* 71:197-204.
5. Shen Y, Kou Z, **Kreipke CW**, Petrov T, Hu J, Haacke EM. 2007. In vivo measurement of tissue damage, oxygen saturation changes and blood flow changes after experimental traumatic brain injury in rats using susceptibility-weighted imaging. *Magn Reson Imaging* 25:219-227.
6. **Kreipke CW**, Morgan R, Petrov T, Rafols JA. 2007. Subcellular Redistribution of Calponin Underlies Sustained Vascular Contractility Following Traumatic Brain Injury. *Neurological Research* 29:604-609.
7. Petrov T, **Kreipke CW**, Alilain W, Nantwi K. 2007. Differential Expression Adenosine A₁ and A₂ Receptor Protein Levels Following Upper Cervical (C2) Spinal Cord Hemisection In Adult Rats. *Journal of Spinal Cord Medicine* 30:331-337.

8. Rafols J., **Kreipke CW**, Petrov T. 2007. Alterations in Cerebral Cortex Microvessels and the Microcirculation in a Rat Model of Traumatic Brain Injury: a Correlative EM and Laser Doppler Flowmetry Study. *Neurological Research* 29:339-347.
9. Rafols J, Morgan R, Kallikuri S, **Kreipke CW**. 2007. Extent of nerve cell injury Marmarou's model compared to other brain trauma models. *Neurological Research* 29:348-355.
10. Degracia D, Kayali F, **Kreipke CW**, Rafols JA. 2007. Brain endothelial HSP-70 stress response coincides with endothelial and pericyte death after brain trauma. *Neurological Research* 29:356-361.
11. Kallukuri S, **Kreipke CW**, Rossi N., Rafols JA, Petrov T. 2007. Spatial alterations in endothelin receptor expression are temporally associated with the altered microcirculation after brain trauma. *Neurological Research* 29:362-368.
12. **Kreipke CW**, Morgan R, Roberts G, Bagchi M, Rafols JA. 2007. Calponin phosphorylation in cerebral cortex microvessels mediates sustained vasoconstriction after brain trauma. *Neurological Research* 29:369-374.
13. Morgan R, **Kreipke CW**, Roberts G, Bagchi M, Rafols J. 2007. Neovascularization following traumatic brain injury: Possible evidence for both angiogenesis and vasculogenesis. *Neurological Research* 29:375-381.
14. **Kreipke CW**, Morgan R, Kallikuri S, Rafols J. 2007. Behavioral preconditioning enhances angiogenesis and cognitive outcome following traumatic brain injury. *Neurological Research* 29:388-394.
15. Dore-Duffy P, Xeuqain W, Mehedi A, **Kreipke CW**, Rafols JA. 2007. Differential expression of capillary VEGF isoforms following traumatic brain injury. *Neurological Research* 29:395-403.
16. Huttemann M, Lee I, **Kreipke CW**, Petrov T. 2008. Suppression of iNOS prior to traumatic brain injury improves cytochrome oxidase activity and normalizes cellular energy levels. *Neuroscience* 151:148-151.
17. Hoffman W, Artlett C, Zhang W, **Kreipke CW**, Passmore G, Rafols JA, Sima AA. 2008 Receptor for advanced glycation end products and neuronal deficit in the fatal brain edema of diabetic ketoacidosis. *Brain Research* 1238:154-62.
18. **Kreipke CW**, Rafols JA. 2009. Calponin control of cerebrovascular reactivity: Therapeutic implications in brain trauma. *J Cell Mol Med* 13(2):262-9.
19. Ding JY, **Kreipke CW**, Speirs S, Schafer PC, Schafer S, Rafols JA. 2009. Hypoxia inducible factor-1 α signaling in aquaporin upregulation after traumatic brain injury. *Neuros Lett.* 453(1):68-72.

20. Ding JY, **Kreipke CW**, Speirs S, Schafer PC, Schafer S, Rafols JA. 2009. Synapse Loss Regulated by Matrix Metalloproteinases in Traumatic Brain Injury Is Associated with Hypoxia-Inducible Factor-1 α Expression. *Brain Research* 1268:125-34.
21. Sima AA, Zhang W, **Kreipke CW**, Rafols JA, Hoffman WH. 2009. Inflammation in Diabetic Encephalopathy is Prevented by C-Peptide. *Rev Diabet Stud.* 6(1):37-42.
22. AA, Zhang W, Muzik O, **Kreipke CW**, Rafols JA, Hoffman WH. 2009. Sequential abnormalities in type 1 diabetic encephalopathy and the effects of C-Peptide. *Rev Diabet tud.* 6(3):211-22.
23. **Kreipke CW**, Schafer PC, Rossi NF, Rafols JA. 2010. Differential affects of Endothelin receptor-A and B antagonism on hypoperfusion following traumatic brain injury (TBI). *Neurological Research* 32:209-214.
24. Kallakuri S, **Kreipke CW**, Schafer PC, Schafer SM, Rafols JA. 2010 Brain cellular localization of endothelin receptor A and B in a rodent model of diffuse brain injury. *Neuroscience* 168:820-30.
25. Angoa-Pérez M, **Kreipke CW**, Thomas DM, Van Shura KE, Lyman M, McDonough JH, Kuhn DM. 2010. Soman Increases Neuronal COX-2 Levels: Possible Link between Seizures and Protracted Neuronal Damage. *Neurotoxicology* 31:738-46.
26. Higashida T, **Kreipke CW**, Rafols JA, Peng C, Schafer S, Schafer P, Ding JY, Dornbos D, Li X, Guthikonda M, Rossi NF, Ding Y. 2011. The role of hypoxia-inducible factor-1 α , aquaporin-4, and matrix metalloproteinase-9 in blood-brain barrier disruption and brain edema after traumatic brain injury. *J Neurosurg* 114:92-101.
27. Rafols JA, **Kreipke CW**. 2011. Current brain endothelin research: a pathway to novel approaches impacting clinical trials. *Neurological Research* 33:115-118.
28. Armstead W, **Kreipke CW**. 2011 Endothelin-1 is upregulated after traumatic brain injury: A cross-species, cross-model analysis. *Neurological Research* 33:133-136.
29. Jamison JT, Lewis MK, **Kreipke CW**, Rafols JA, DJ DeGracia. 2011. Poly-Adenylated mRNA Staining Reveals Distinct Neuronal Phenotypes Following Endothelin-1, Focal Brain Ischemia, and Global Brain Ischemia/ Reperfusion. *Neurological Research* 33:145-161.
30. **Kreipke CW**, Schafer PC, Schafer S, Pirooz R, Rafols JA 2011. Endothelin receptors A and B are expressed in distinct cellular compartments of rat hippocampus following global ischemia: An immunocytochemical study. *Neurological Research* 33:162-168.
31. Dore-Duffy P, Ding Y, Zhan P, Schafer S, Fronczak M, Rafols JA, **Kreipke CW**. 2011. Endothelin receptor expression in pericytes following ETrA antagonist treatment. *Neurological Research* 33:176-186.

32. Reynolds CA, Rafols JA, Schafer S, Pirooz R, Marinica A, Chbib A, Bedford C, Fronczak M, Kuhn DM, **Kreipke CW**. 2011. Differential effects of endothelin receptor A and B antagonism on behavioral outcome following traumatic brain injury. *Neurological Research* 33:192-196.
33. Reynolds CA, Kallakuri S, Schafer S, **Kreipke CW**, Rafols JA. 2011. Endothelin receptor A antagonism reduces the extent of diffuse axonal injury in a rodent model of traumatic brain injury. *Neurological Research* 33:197-200.
34. **Kreipke CW**, Rafols JA, Reynolds C, Schafer S, Marinica A, Bedford C, Fronczak M, Kuhn DM, Armstead W. 2011. Clazosentan, a novel endothelin-A antagonist, improves CBF and behavior after TBI. *Neurological Research* 33:208-213.
35. Kane MJ, Pérez MA, Briggs DI, Viano DC, **Kreipke CW**, Kuhn DM. 2012. A mouse model of human repetitive mild traumatic brain injury. *J Neurosci Methods* 201:41-9.
36. Ali A, Konakondla S, Zwagerman NT, Peng C, Schafer S, Ding JY, Dornbos D III, Sikharam C, Geng X, Guthikonda M, **Kreipke CW**, Rafols JA, Ding Y. 2012. Glycerol accumulation in edema formation following diffuse traumatic brain injury. *Neurol Res.* 34(5):462-8.

Abstracts (selected from over 60) (2010 to present only; others available on request)

Invited

TBI, Exercise, Alcohol, And Drugs Of Abuse: Changing The Face Of TBI Research. **Christian Kreipke**, Donald Kuhn. Federal Interagency Conference on Traumatic Brain Injury, Washington DC, USA, June, 2011

Haemodynamics, vascularization and head trauma: a bloody mess. **Christian Kreipke, PhD, chair**. Winter Brain, Keystone, CO, USA, January 22, 2011.

Endothelin Receptor A antagonism improves outcome in stroke, subarachnoid hemorrhage and traumatic brain injury. **Christian Kreipke, PhD**. Tiantan International Stroke Conference, Beijing, China, June 28, 2010.

Hypoxia--the good bad and the ugly: Clinical relevance and rationale for using “therapeutic angiogenesis” as a treatment paradigm. **Christian Kreipke, PhD, Chair**. Winter Brain, Breckenridge, CO, USA, January 29, 2010

Peer Reviewed

Clazosentan: A novel treatment of traumatic brain injury. **Christian Kreipke**, William Armstead. World Congress on Neurology, Marakesh, Morocco, November 2011.

ETrA antagonism: A novel treatment for traumatic brain injury. **Christian Kreipke**; Jose Rafols; Justin Graves; Anthony Kropinski; Steven Schafer; Christopher Bedford; Donald Kuhn; William Armstead. Endothelin 12, Cambridge, UK, September 2011.

ETrA antagonism and traumatic brain injury: Towards a Clinical Trial. **Christian Kreipke, PhD**; Jose Rafols, PhD; Christopher Bedford, BS; Donald Kuhn, PhD; William Armstead, PhD. International Neurotrauma, Shanghai, China, May, 2011.

Endothelin Receptor-A Antagonism as a Novel Treatment for Brain Injury-Induced Polypathologies. **Christian Kreipke, PhD**; Christian Reynolds, BS, Steven Schafer, BS, Christopher Bedford, BS, Michael Fronczak, BS, Donald Kuhn, PhD, Jose Rafols, PhD; World Congress on Stroke, Seoul, South Korea, October 11, 2010.

Focal Brain Ischemia, Global Brain Ischemia/ Reperfusion or Intraventricular Endothelin-1 Injection Reveals Distinct Neuronal Stress Responses: Implications for Cell Survival/Death. Jose Rafols, PhD; **Christian Kreipke, PhD**, Donald DeGracia, PhD, Jill Jamison, BS. World Congress on Stroke, Seoul, South Korea, October 11, 2010.

ETrA antagonism improves hemodynamic, histopathologic, and behavioral outcome following traumatic brain injury. **Christian Kreipke**, Benjamin Atkinson, Jose Rafols, Anthony Kropinski, Michael Fronczak, Christian Reynolds, William Armstead. Neurocritical Care, San Fransisco, CA, USA, September 10, 2010.

ETrA antagonists and poly-pathology: understanding basic mechanisms of drug effect. Jose Rafols, PhD; **Christian Kreipke, PhD**, Steven Schafer, BS; Michael Fronczak, BS; Srinivasu Kallakuri, PhD; National Neurotrauma, Las Vegas, NV, USA, June 9, 2010.

Combined ETrA antagonism and suppression of microglial activation improves outcome following traumatic brain injury. Donald Kuhn, PhD; Jose Rafols, PhD; Marianna Perez, PhD; Christian Reynolds, BS; Steven Schafer, BS; Michael Fronczak, BS; **Christian Kreipke, PhD**; National Neurotrauma, Las Vegas, NV, USA, June 9, 2010.

ETrA antagonism improves hemodynamic, histopathologic, and behavioral outcome following traumatic brain injury. **Christian Kreipke, PhD**; Jose Rafols, PhD, Christian Reynolds, BS, Steven Schafer, BS, Christopher Bedford, BS, Michael Fronczak, BS, Donald Kuhn, PhD, William Armstead, PhD; National Neurotrauma, Las Vegas, NV, USA, June 9, 2010.

INVITED LECTURES/PRESENTATIONS

"Diffuse Axonal Injury and endothelin: A coupling of concurrent pathologies?" Rafols JA, Kropinski A, Graves J, **Kreipke CW**. Veteran's Administration Research Day, April, 2011

“ENDOTHELIN AND CONTROL OF CEREBRAL BLOOD FLOW AFTER TRAUMATIC BRAIN INJURY: Towards a Clinical Trial” Department of Anesthesiology Research Seminar, University of Pennsylvania, April 13, 2010

“Molecular Mechanisms of enhanced contractility: Towards a clinical trial” Spinal Cord and Brain Injury Research Center (SCOBIRC), University of Kentucky, January 13, 2010

“A meta-study of different animal models of traumatic brain injury: Introspective report.” Combined Emergency Medicine and Neurosurgery Department Seminar, Wayne State University, School of Medicine, August 3, 2009.

“Modulation of TBI-induced hypoperfusion through the endothelin receptor: Therapeutic Implications” Tiantan International Stroke Conference, Beijing, China, June 21, 2009

“Endothelin receptor A antagonism ameliorates hypoperfusion and enhances cognitive outcome following traumatic brain injury”. World Congress on Brain Trauma, Lisbon, Portugal, March 20, 2009.

“Imaginative Leaps: Reporting to the General Public on Closed-Head-Injury Trauma”. ISSE, Helsinki, Finland, August 7, 2008

“Endothelin receptor A antagonism ameliorates hypoperfusion and leads to improved performance on a radial arm maze following traumatic brain injury (TBI)”. ET-10 panel discussion, ET-10, Bergamo, Italy 2007.

“Brains, Trains and Automobiles: Multidisciplinary Approach to Understanding Traumatic Brain Injury”, Sigma Xi panel discussion, Sigma Xi National Meeting, Detroit Renaissance Center, November 2006.

“Early Sequelae of Events following Traumatic Brain Injury: Designing a new Therapeutic Intervention”, NVR laboratories, Nish Shiron, Israel, March 2006.